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EXAMINER

VU, KIEU D

ART UNIT PAPER NUMBER

2173

DATE MAILED: 01/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/072,532

Applicant(s)

NOMIYAMA ET AL.

Examiner

Kieu D. Vu

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 October 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,4-10,13-21 and 24-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-10,13-21 and 24-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

1. This Office Action is in response to the Amendment filed on 10/03/05.
2. Claims 1-2, 4-10, 13-21, 24-26 are pending.  
Claims 3, 11-12, 22-23 and 27-28 have been canceled.
3. Acknowledgment is made of applicant's claim for priority under 35 U.S.C. 119(a)-(d) based upon application 2001-0815 filed in Japan on 01/05/2001. A claim for priority under 35 U.S.C. 119(a)-(d) cannot be based on said application, since the United States application was filed more than twelve months thereafter.

***Claim Objections***

4. Claims 1-2 and 25-26 are objected since they have typographical errors as follows:

In line 6 of claim 1, a comma is missing after "sites".

Claim 2 is objected on the same rationale applied to claim 1.

In claim 25, line 11, the second appearance of ";" is redundant.

In claim 26, line 11, the second appearance of ";" is redundant.

Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 1-2, 4-10 and 24-26 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The term "effective" in claim 1 (line 10) is a relative term which renders the

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claim indefinite. The term "effective" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claim 2 is rejected on the same rationale applied to claim 1.

The term "effective" in claim 4 (line 9) is a relative term which renders the claim indefinite. The term "effective" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claim 5 is rejected on the same rationale applied to claim 4.

The term "effective" in claim 6 (line 11) is a relative term which renders the claim indefinite. The term "effective" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claims 7-8 are rejected on the same rationale applied to claim 6.

The term "effective" in claim 9 (line 6) is a relative term which renders the claim indefinite. The term "effective" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claim 10 is rejected on the same rationale applied to claim 9.

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The term "effective" in claim 24 (line 9) is a relative term which renders the claim indefinite. The term " effective" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

The term "effective" in claim 25 (line 9) is a relative term which renders the claim indefinite. The term " effective" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

The term "effective" in claim 26 (line 9) is a relative term which renders the claim indefinite. The term " effective" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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8. Claims 1-2, 6-7, 13, 18-19, 24, 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weiss et al ("Weiss", US Publication 2002/0138487 A1) and Nakao (US 6638317)

Regarding claims 1 and 24, Weiss teaches an information rearrangement method for rearranging information obtained from information sources connected via a network comprising: an information collection step of collecting information from a predetermined number of registered sites (Spider application for scanning Web sites and database application for storing data collected by the Spider application) ([0147], [0148]); an information element extraction step extracting, from among said collected information, information elements that include the same facts that are referred at multiple sites (searching of Web sites that contains the search criteria) ([0149], [0150]) and display step displaying the contents said extracted information elements while changing the display state said contents accordance with the number of sites whereat said facts are referred to (Fig. 12) ([0158]). Weiss teaches a set of important information elements on a sentence ("Charlie's Angels") are extracted from a group composed of predetermined number of sites, and the display for the same sets important information elements is folded (Entertainment is folded, a click on Entertainment will unfold it and will present countries ([0137], [0139])). Weiss further teaches selecting keywords (text, nouns) which comprising words effective for determining the same facts included in the information elements and teaches detecting keyword that is frequently used (appearance rate) [0031], [0046]. Weiss does not teach checking if the appearance rate of the keyword is

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equal or greater than a threshold value. However, such feature is known in the art as taught by Nakao. Nakao teaches comparing the frequency of a word with a predetermined threshold value (col 41, lines 5-20). ). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Nakao's teaching of comparing the frequency of a word with a predetermined threshold value in Weiss' system with the motivation being to set a threshold condition for keyword appearance and selectively extract keywords which satisfy the threshold condition.

Regarding claim 2, Weiss teaches said information elements that convey the same facts are extracted together with of keywords that represent said information elements ([0137]).

Regarding claims 6 and 26, Weiss teaches an information rearrangement method for arranging information obtained from information a network comprising an information collection step periodically crawling a group of registered sites and collecting information (spider program) ([0008], [0147], [0155]); an information element extraction step extracting, from among set of information elements at the individual sites in said group, information elements that convey the same facts (searching of Web sites that contains the search criteria) ([0149], [0150]); and an importance level calculation step providing an importance level in accordance with the number of sites that are referred to ([0031], [0032]). Weiss further teaches selecting keywords (text, nouns) which comprising words effective for determining the same facts included in the information elements and teaches detecting keyword that is frequently used (appearance rate) [0031],

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[0046]. Weiss does not teach checking if the appearance rate of the keyword is equal or greater than a threshold value. However, such feature is known in the art as taught by Nakao. Nakao teaches comparing the frequency of a word with a predetermined threshold value (col 41, lines 5-20). ). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Nakao's teaching of comparing the frequency of a word with a predetermined threshold value in Weiss' system with the motivation being to set a threshold condition for keyword appearance and selectively extract keywords which satisfy the threshold condition.

Regarding claim 7, Weiss teaches at said information element extraction step, from new keywords that are revised by periodical crawling, said information elements that include the same facts extracted while taking account a matching level relative to a proper noun that can be the subject of said facts ([0106]).

Regarding claim 13, Weiss teaches an information rearrangement method for rearranging information obtained from information sources connected via a network comprising: an information collection step of collecting information from a predetermined number of registered sites (Spider application for scanning Web sites and database application for storing data collected by the Spider application) ([0147], [0148]); an information element extraction step extracting, from among said collected information, information elements that include the same facts that are referred at multiple sites (searching of Web sites that contains the search criteria) ([0149], [0150]) and display step displaying the contents said extracted information elements while changing the display state



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said contents accordance with the number of sites whereat said facts are referred to (Fig. 12) ([0158]). Weiss does not teach the information element extraction means comprising a keyword extraction means for extracting keywords based on keywords for metadata stored in a metadata, a keyword importance level calculation means for calculating a keyword importance: a sentence-level information element extraction means for calculating a set of sentence-level information elements, a topic keyword extraction means for extracting from the entire set of information elements extracted by the sentence-level information elements extraction means, and a word-level information element extraction means for extracting information elements in which a combination of keywords that are obtained by the keyword importance level calculation means appear. However, such feature is known in the art as taught by Nakao. Nakao teaches the information element extraction means comprising a keyword extraction means for extracting keywords based on keywords for metadata stored in a metadata (col 10, lines 62-67), a keyword importance level calculation means for calculating a keyword importance (Fig. 11, Fig. 14), a sentence-level information element extraction means for calculating a set of sentence-level information elements, a topic keyword extraction means for extracting from the entire set of information elements extracted by the sentence-level information elements extraction means (Fig. 17, Fig. 23, Fig. 53) , and a word-level information element extraction means for extracting information elements in which a combination of keywords that are obtained by the keyword importance level calculation means appear (col 8, lines 35-55, lines 56-64). Thus,

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it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Nakao's teaching as described above in Weiss' system with the motivation being to enable the system to calculate keyword important level.

Regarding claim 18, Weiss teaches an information rearrangement method for arranging information obtained from information a network comprising an information collection step periodically crawling a group of registered sites and collecting information (spider program) ([0008], [0147], [0155]);

an information element extraction step extracting, from among set of information elements at the individual sites in said group, information elements that convey the same facts (searching of Web sites that contains the search criteria) ([0149], [0150]); and an importance level calculation step providing an importance level in accordance with the number of sites that are referred to ([0031], [0032]). Weiss does not teach the information element extraction means comprising a keyword extraction means for extracting keywords based on keywords for metadata stored in a metadata, a keyword importance level calculation means for calculating a keyword importance: a sentence-level information element extraction means for calculating a set of sentence-level information elements, a topic keyword extraction means for extracting from the entire set of information elements extracted by the sentence-level information elements extraction means, and a word-level information element extraction means for extracting information elements in which a combination of keywords that are obtained by the keyword importance level calculation means appear.

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However, such feature is known in the art as taught by Nakao. Nakao teaches the information element extraction means comprising a keyword extraction means for extracting keywords based on keywords for metadata stored in a metadata (col 10, lines 62-67), a keyword importance level calculation means for calculating a keyword importance (Fig. 11, Fig. 14), a sentence-level information element extraction means for calculating a set of sentence-level information elements, a topic keyword extraction means for extracting from the entire set of information elements extracted by the sentence-level information elements extraction means (Fig. 17, Fig. 23, Fig. 53) , and a word-level information element extraction means for extracting information elements in which a combination of keywords that are obtained by the keyword importance level calculation means appear (col 8, lines 35-55, lines 56-64). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Nakao's teaching as described above in Weiss' system with the motivation being to enable the system to calculate keyword important level.

Regarding claim 19, Weiss teaches at said information element extraction step, from new keywords that are revised by periodical crawling, said information elements that include the same facts extracted while taking account a matching level relative to a proper noun that can be the subject of said facts ([0106]).

9. Claims 4-5, 16-17, and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weiss, Nakao, and Brown et al (USP 5875446).

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Regarding claim 4, Weiss teaches an information rearrangement method rearranging information obtained from information sources connected via network comprising:

an information collection step of collecting information from a predetermined number of registered sites (Spider application for scanning Web sites and database application for storing data collected by the Spider application) ([0147], [0148]); an information element extraction step extracting, from among said collected information, information elements that include the same facts that are referred at multiple sites (searching of Web sites that contains the search criteria) ([0149], [0150]); and topic keyword extraction step extracting topic keyword that represents the entire set of information elements to be extracted (searching for topic "Charlie's Angels"), said topic keyword extraction step comprising a representative keyword extraction step (searching for representative keyword "Charlie's Angels"), a set representative keyword extraction step [0137], [0138], a topic keyword collection step (search result [0137]) ; and display step displaying the contents of said extracted information elements (Fig. 12) ([0158]). Weiss further teaches selecting keywords (text, nouns) which comprising words effective for determining the same facts included in the information elements and teaches detecting keyword that is frequently used (appearance rate) [0031], [0046]. Weiss does not teach checking if the appearance rate of the keyword is equal or greater than a threshold value. However, such feature is known in the art as taught by Nakao. Nakao teaches comparing the frequency of a word with a predetermined threshold value (col 41, lines 5-20). ). Thus, it would have been

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obvious to one of ordinary skill in the art at the time the invention was made to apply Nakao's teaching of comparing the frequency of a word with a predetermined threshold value in Weiss' system with the motivation being to set a threshold condition for keyword appearance and selectively extract keywords which satisfy the threshold condition.

Weiss differs from the claim in that Weiss does not teach displaying said extracted topic keyword at a position different from the contents concerning said information elements. However, such feature is known in the art as taught by Brown. Brown teaches a method for generating a hierarchical grouping of topically and structurally relevant objects in a query context (col 4, lines 43-45). Weiss teaching further comprises displaying said extracted topic keyword at a position ("Installing Windows 95") different from the contents concerning said information elements (see fig. 13 which shows the position of topic keyword "Installing Windows 95" is above the positions of the search results). It would have been obvious to one of ordinary skill in the art, having the teaching of Weiss and Brown before him at the time the invention was made, to apply Brown's teaching in Weiss' searching method to display the topic keyword distinctively.

Regarding claim 5, Brown further teaches wherein, said display step, when specific items are designated in said displayed topic keyword including multiple items, the contents concerning information elements that belong said specific items displayed, and the contents concerning information elements that belong to a set of items are not pertinent said specific items are masked (Fig. 13 shows only the objects which satisfy the query) (col. 16, lines 13-29).

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Regarding claim 25, Weiss teaches an information rearrangement method rearranging information obtained from information sources connected via network comprising: an information collection step of collecting information from a predetermined number of registered sites (Spider application for scanning Web sites and database application for storing data collected by the Spider application) ([0147], [0148]); an information element extraction step extracting, from among said collected information, information elements that include the same facts that are referred at multiple sites (searching of Web sites that contains the search criteria) ([0149], [0150]); and topic keyword extraction step extracting topic keyword that represents the entire set of information elements to be extracted (searching for topic "Charlie's Angels"); and display step displaying the contents of said extracted information elements (Fig. 12) ([0158]). Weiss further teaches selecting keywords (text, nouns) which comprising words effective for determining the same facts included in the information elements and teaches detecting keyword that is frequently used (appearance rate) [0031], [0046]. Weiss does not teach checking if the appearance rate of the keyword is equal or greater than a threshold value. However, such feature is known in the art as taught by Nakao. Nakao teaches comparing the frequency of a word with a predetermined threshold value (col 41, lines 5-20). ). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Nakao's teaching of comparing the frequency of a word with a predetermined threshold value in Weiss' system with the motivation being to set a threshold condition for keyword appearance and selectively extract keywords

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which satisfy the threshold condition. Weiss differs from the claim in that Weiss does not teach displaying said extracted topic keyword at a position different from the contents concerning said information elements. However, such feature is known in the art as taught by Brown. Brown teaches a method for generating a hierarchical grouping of topically and structurally relevant objects in a query context (col 4, lines 43-45). Weiss teaching further comprises displaying said extracted topic keyword at a position ("Installing Windows 95") different from the contents concerning said information elements (see fig. 13 which shows the position of topic keyword "Installing Windows 95" is above the positions of the search results). It would have been obvious to one of ordinary skill in the art, having the teaching of Weiss and Brown before him at the time the invention was made, to apply Brown's teaching in Weiss' searching method to display the topic keyword distinctively.

Regarding claim 16, Weiss teaches an information rearrangement method rearranging information obtained from information sources connected via network comprising: an information collection step of collecting information from a predetermined number of registered sites (Spider application for scanning Web sites and database application for storing data collected by the Spider application) ([0147], [0148]); an information element extraction step extracting, from among said collected information, information elements that include the same facts that are referred at multiple sites (searching of Web sites that contains the search criteria) ([0149], [0150]); and topic keyword extraction step extracting topic keyword that represents the entire set of information elements to

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be extracted (searching for topic "Charlie's Angels"); and display step displaying the contents of said extracted information elements (Fig. 12) ([0158]). Weiss further teaches selecting keywords (text, nouns) which comprising words effective for determining the same facts included in the information elements and teaches detecting keyword that is frequently used (appearance rate) [0031], [0046]. Weiss does not teach checking if the appearance rate of the keyword is equal or greater than a threshold value. However, such feature is known in the art as taught by Nakao. Nakao teaches the information element extraction means comprising a keyword extraction means for extracting keywords based on keywords for metadata stored in a metadata (col 10, lines 62-67), a keyword importance level calculation means for calculating a keyword importance (Fig. 11, Fig. 14), a sentence-level information element extraction means for calculating a set of sentence-level information elements, a topic keyword extraction means for extracting from the entire set of information elements extracted by the sentence-level information elements extraction means (Fig. 17, Fig. 23, Fig. 53) , and a word-level information element extraction means for extracting information elements in which a combination of keywords that are obtained by the keyword importance level calculation means appear (col 8, lines 35-55, lines 56-64). Nakao further teaches comparing the frequency of a word with a predetermined threshold value (col 41, lines 5-20). ). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Nakao's teaching of comparing the frequency of a word with a predetermined threshold value in Weiss' system with the motivation being to set



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a threshold condition for keyword appearance and selectively extract keywords which satisfy the threshold condition. Weiss differs from the claim in that Weiss does not teach displaying said extracted topic keyword at a position different from the contents concerning said information elements. However, such feature is known in the art as taught by Brown. Brown teaches a method for generating a hierarchical grouping of topically and structurally relevant objects in a query context (col 4, lines 43-45). Weiss teaching further comprises displaying said extracted topic keyword at a position ("Installing Windows 95") different from the contents concerning said information elements (see fig. 13 which shows the position of topic keyword "Installing Windows 95" is above the positions of the search results). It would have been obvious to one of ordinary skill in the art, having the teaching of Weiss and Brown before him at the time the invention was made, to apply Brown's teaching in Weiss' searching method to display the topic keyword distinctively.

Regarding claim 17, Brown further teaches wherein, said display step, when specific items are designated in said displayed topic keyword including multiple items, the contents concerning information elements that belong said specific items displayed, and the contents concerning information elements that belong to a set of items are not pertinent said specific items are masked (Fig. 13 shows only the objects which satisfy the query) (col. 16, lines 13-29)

10. Claims 8 and 14- 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weiss, Nakao, and Lawrence et al (USP 6289342).

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Regarding claim 8, Weiss does not teach important information elements on the sentence level, for which an importance level is provided at said importance level calculation step, are rearranged the descending order of their importance levels and are presented visually. However, such feature is known in the art as taught by Lawrence. Lawrence teaches an autonomous citation indexing system in which important information elements are rearranged the descending order of their importance levels (number of citations) and are presented visually (Fig. 3). It would have been obvious to one of ordinary skill in the art, having the teaching of Weiss and Lawrence before him at the time the invention was made, to modify the searching method taught by Weiss to include teaching that important information elements are rearranged the descending order of their importance levels and are presented visually taught by Lawrence with the motivation being to enable user to quickly and conveniently learn the importance level of displayed information.

Regarding claim 14, Weiss does not teach rearranging said information elements in the descending order of the number of sites that are referred to. However, such feature is known in the art as taught by Lawrence. Lawrence teaches an autonomous citation indexing system, the system comprises rearranging said information elements in the descending order of the number of sites that are referred to (number of citations) and are presented visually (Fig. 3). It would have been obvious to one of ordinary skill in the art, having the teaching of Weiss and Lawrence before him at the time the invention was made, to modify the searching method taught by Weiss to include rearranging said information elements in the descending order of the number of sites that are referred to

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taught by Lawrence with the motivation being to enable user to quickly and conveniently learn the importance level of displayed information.

Regarding claim 15, Lawrence teaches displaying sets of sentence-level important information elements that are extracted from a group a predetermined number of sites (sentence that contains “dempster”), and folds and hides the same important information element sets (detailed information is “folded and hide” in “Details” link).

11. Claims 9-10 and 20-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weiss, Nakao, and Logan (USP 6665659).

Regarding claim 9, Weiss teaches an information rearrangement method comprising the steps of extracting information elements from multiple sites; determining whether, of said information elements extracted from said multiple sites, there are relevant information elements convey same facts as sentence-level information elements that constitute an arbitrary web page (Spider application for scanning Web sites and database application for storing data collected by the Spider application) ([0147], [0148]) (searching for topic “Charlie's Angels”); and when said relevant information elements that include the same facts as said sentence-level information elements are present in said information elements obtained from said multiple sites (searching of Web sites that contains the search criteria) ([0149], [0150]). Weiss further teaches selecting keywords (text, nouns) which comprising words effective for determining the same facts included in the information elements and teaches detecting keyword that is frequently used (appearance rate) [0031], [0046]. Weiss does not teach checking

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if the appearance rate of the keyword is equal or greater than a threshold value. However, such feature is known in the art as taught by Nakao. Nakao teaches comparing the frequency of a word with a predetermined threshold value (col 41, lines 5-20). ). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Nakao's teaching of comparing the frequency of a word with a predetermined threshold value in Weiss' system with the motivation being to set a threshold condition for keyword appearance and selectively extract keywords which satisfy the threshold condition.

Weiss does not teach adding remark information to said sentence-level information elements to provide information concerning said arbitrary web page. However, such feature is known in the art as taught by Logan. Logan teaches a system for distributing electronic information (col 1, lines 7-10), the system comprises adding remark information to provide information concerning a web page (col 5, lines 3-10). It would have been obvious to one of ordinary skill in the art, having the teaching of Weiss and Logan before him at the time the invention was made, to modify the searching method taught by Weiss to include adding remark information to provide information concerning a web page taught by Logan with the motivation being to enable user to provide his or her opinion about the page.

Regarding claim 10, Logan teaches wherein said web page with said added remark information is displayed, said relevant information elements displayed by designating said remark information (col 5, lines 3-10) (col 8, lines 20-29).

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Regarding claim 20, Weiss teaches an information rearrangement method comprising the steps of extracting information elements from multiple sites; determining whether, of said information elements extracted from said multiple sites, there are relevant information elements convey same facts as sentence-level information elements that constitute an arbitrary web page (Spider application for scanning Web sites and database application for storing data collected by the Spider application) ([0147], [0148]) (searching for topic "Charlie's Angels"); and when said relevant information elements that include the same facts as said sentence-level information elements are present in said information elements obtained from said multiple sites (searching of Web sites that contains the search criteria) ([0149], [0150]). Weiss does not teach adding remark information to said sentence-level information elements to provide information concerning said arbitrary web page. However, such feature is known in the art as taught by Logan. Logan teaches a system for distributing electronic information (col 1, lines 7-10), the system comprises adding remark information to provide information concerning a web page (col 5, lines 3-10). It would have been obvious to one of ordinary skill in the art, having the teaching of Weiss and Logan before him at the time the invention was made, to modify the searching method taught by Weiss to include adding remark information to provide information concerning a web page taught by Logan with the motivation being to enable user to provide his or her opinion about the page.

Regarding claim 21, Logan teaches wherein said web page with said added remark information is displayed, said relevant information elements

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displayed by designating said remark information (col 5, lines 3-10) (col 8, lines 20-29).

13. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. 1.111(c) to consider these references fully when responding to this action. The documents cited therein teach system and method for searching, rearranging information, and displaying information on a display.

14. Applicant's arguments filed 10/03/05 have been fully considered but they are not persuasive.

Applicant's argument "Weiss et al. neither teaches nor suggests these limitations" (page 20) fails to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references.

Applicant's argument "Clearly, the cited portions of Brown ...." (page 21) fails to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references.

Applicant's argument "This combination is not taught ...." (page 22) fails to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references.

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15. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kieu D. Vu. The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM at 571-272-4057.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca, can be reached at 571-272-4048.

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

703-872-9306

and / or:

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571-273-4057 (use this FAX #, only after approval by Examiner, for "INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper / amendment be faxed directly to them on occasions).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kieu D. Vu  
Patent Examiner

A handwritten signature in black ink, appearing to read 'Kieu D. Vu', is written over the printed name and title.